

DERWENT-ACC-NO: 1998-463079
DERWENT-WEEK: 199840
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TITLE: Curable sticking sheet for jointing members -
comprises first and
second curable sticking layer containing sticking polymer,
epoxy! compound,
and compound inducing opening reaction of the epoxy,
laminated to each other
and cured by light irradiation

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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JP 10195393 A	July 28, 1998	N/A
014	C09J 007/02	

APPLICATION-DATA:

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APPL-DATE		
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INT-CL (IPC): C09J005/04; C09J007/02 ; C09J133/06 ;
C09J163/00 ;
C09J201/00

ABSTRACTED-PUB-NO: JP10195393A

BASIC-ABSTRACT: A curable sticking sheet comprises a first
and second curable
sticking layer contg. a sticking polymer, a cpd. having epoxy
and a cpd.
inducing opening reaction of the epoxy which are laminated
each other and cured
by irradiating the light. The first curable sticking sheet
positioned at the
side irradiated by the light shows curing rate VA of 0.01-0.2
(hr-1) of formula
(I) wherein G(0) : dynamic share rate storage modulus at
temp. range of 0-50

deg. C and frequency of 10 Hz before light irradiation,
G(24) : that 24 h
after the light irradiation and the second curable sticking
sheet has a curing
rate VB of 1.1-5 times of VA.

Also claimed are : (a) : the sticking polymer in the first
and second sticking
sheets is an acrylic polymer and the cpd. inducing opening of
the epoxy is an
onium cpd. (b) : the cpd. inducing opening of the epoxy is
contained in an
amount of 0.1-1.5 pts.wt. based on 100 pts. wt. of the total
of the sticking
polymer and the cpd. contg. epoxy in the first sheet and the
cpd. inducing
opening of the epoxy is contained in an amount of 0.5-6.0
pts.wt. based on 100
pts. wt. of the total of the sticking polymer and the cpd.
contg. epoxy in the
second sheet. (c) : the cpd. inducing opening of the epoxy
in the first layer
has an activity so that the conversion of the epoxy may be
0.1-10.0 % and the
cpd. inducing opening of the epoxy in the second layer has an
activity so that
the conversion of the epoxy may be 1.0-50 % and also the
conversion in the
second sheet should be larger than that in the first layer.
(d) : the cpd.
contg. epoxy in the second sheet is at least alicyclic epoxy
cpd. (e) : the
first sheet further contains a basic cpd. or nucleophilic
cpd. (f) : the second
sheet further contains active hydrogen contg. cpd. or a
photosensitizer. (g)
: a method for jointing a member comprises irradiating the
light to the sheets
after adhering the second sheet to an adherend and on
adhering the first sheet
to another adherend.

USE - The sheet is especially suitably used for adhering
steel sheet of
vehicles.

ADVANTAGE - The sheet has considerable strong initial
sticking power at usual

state and is readily cured after adhered to make firm adhesion.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CURE STICK SHEET JOINT MEMBER COMPRISE FIRST SECOND CURE
STICK LAYER CONTAIN
STICK POLYMER POLYEPOXIDE COMPOUND COMPOUND INDUCE OPEN REACT
EPOXY LAMINATE
CURE LIGHT IRRADIATE

DERWENT-CLASS: A21 A81 G03 M13

CPI-CODES: A05-A01E3; A08-D01; A12-A01A; A12-A05C; G03-B02E2;
G03-B04; M13-H03;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; P0088*R ; L9999 L2391 ; L9999 L2073 ; M9999 M2073 ;
K9847*R
K9790

Polymer Index [1.2]

018 ; ND01 ; ND04 ; Q9999 Q7818*R ; Q9999 Q9289 Q9212 ;
K9574 K9483
; K9552 K9483 ; K9698 K9676 ; K9701 K9676 ; N9999 N5721*R
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B4988*R B4977 B4740 ; Q9999 Q6644*R ; B9999 B4013 B3963
B3930 B3838
B3747 ; B9999 B5301 B5298 B5276

Polymer Index [1.3]

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SECONDARY-ACC-NO:

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